

SOLAR  
HYBRID LINE

power  
and innovation

designed and created  
for your needs

12 kVA  
combined power

9,5h run time

4 x 40W  
solar panels

STAGE 5  
CERTIFIED

Designed to provide  
an exceptional level  
of performance  
for every work on site  
ensuring the right  
balance between power  
and ease of use

MGTP  
5000/12 THS



more sustainable  
and environmentally  
friendly future

 **TRIME**<sup>®</sup>  
Power Division

# MGTP 5000/12 THS



**REDUCTION**  
emissions **CO<sub>2</sub>**

## APPLICATIONS



## FEATURES

- ✔ DSE 3110 controller
- ✔ 5" Touch monitoring display controller
- ✔ Communication-centre device
- ✔ 48V/400A BMS to protect the batteries
- ✔ 4G/GPS Antenna + Modem
- ✔ **Remote telemetry & management**
- ✔ Auto recharge of the batteries
- ✔ Automatic peak shaving mode
- ✔ Sides forklift pockets & Central lifting hook
- ✔ Lockable control panel
- ✔ Main circuit breaker & Earth leakage relay
- ✔ Emergency Stop button
- ✔ Bunded tank
- ✔ 3-way valve for external tank
- ✔ Battery switch

Solar Panels	
Power (W)	40
Q.ty	4
Type	Monocrystalline
Tilting	Electric
Solar charger	MPPT 150/35

**solar hybrid**  
technology



**SOLAR  
HYBRID LINE**

Code	RP47-5MS11S
<b>Dimensions</b>	
L x W x H (mm)	1700x1066x1450
Dray weight (Kg)	800
<b>Technical Data</b>	
Continuous power (VA)	5000
Battery pack capacity (Wh)	11776
Capacity available DOD 80% (Wh)	9421
Voltage (V)	230
Frequency (Hz)	50
<b>Inverter</b>	
Nominal power (VA)	5000
Q.ty	1
System voltage (V)	48
Max charging current (A)	70
<b>Batteries</b>	
Type	LiFePO4
Q.ty	2
Nominal Voltage (V)	25,6
Nominal Capacity (Ah)	230
Cycle Life DOD 80%	>4000
<b>Engine</b>	
Brand	Kubota
Model	D1105
Speed	1500
Cooling system	Water
Emission	Stage V
Fuel Tank (l)	200
<b>Alternator</b>	
Brand	Zanardi
Model	PE28 2VS/4
Rated output (kVA)	8
Frequency (Hz)	50
Power factor (cos φ)	0,8
<b>Distribution panel</b>	
Inlet Plug	1x 32A-230V
Outlet Sockets	1x 32A-230V 1x 16A-230V
<b>Performances</b>	
Running time on batteries (h) 25% load	9,5
Running time on batteries (h) 50% load	4,5
Running time on batteries (h) 75% load	3,0
Recharge time from engine (h)	5
<b>Available optionals</b>	
MC4 connectors + MPPT solar charger for external solar panels	
Mat heating system for batteries to work in cold ambients	



**easy handling & transportability**

**TRIME®**

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